

4—Identified global producers of gold bullion

Explanation: This list contains refiners of gold bullion (most are accredited to sell bullion on one or more market exchange). Feed material is indeterminate and may be from mines, intermediate refineries, scrap, or other gold-bearing materials. Data records are sorted by country and then alphabetically by owner.

COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Andorra	Refinery	Ordino	L'Orfèbre, S.A.
Australia	Refinery	Melbourne, Victoria	888 Refinery Australasia Pty Ltd
Australia	Refinery	Sydney, New South Wales	ABC Refinery (Australia) Pty (Pallion Group Pty Ltd.)
Australia	Refinery	Melbourne, Victoria	CPG Group
Australia	Refinery	Perth, Western Australia	Western Australian Mint trading as The Perth Mint
Austria	Refinery	Vienna	Ögussa Österreichische Gold- und Silberscheide-Anstalt GmbH (Umicore S.A. Business Unit Precious Metals Refining)

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Belgium	Refinery	Pepingen	AMP Precious Metals
Belgium	Refinery	Mouscron, Hainaut	EMEKO SA/NV
Belgium	Refinery	Antwerp, Flanders	Tony Goetz NV
Belgium	Refinery	Hoboken, Antwerp, Flanders	Umicore S.A. Business Unit Precious Metals Refining
Brazil	Refinery	Nova Lima, Minas Gerais	AngloGold Ashanti Córrego do Sítio Mineração
Brazil	Refinery	Rio de Janeiro, Rio de Janeiro	Casa da Moeda do Brazil (Brazil Mint)

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Brazil	Refinery	São Paulo, São Paulo	Marsam Metals
Brazil	Refinery	Guarulhos, São Paulo	Umicore Brasil Ltda.
Canada	Refinery	Brampton, Ontario	Asahi Refining Canada Ltd.
Canada	Refinery	Montréal, Québec	CCR Refinery - Glencore Canada Corp.
Canada	Smelter	Horne Smelter, Rouyn-Noranda, Québec	Glencore Canada Corp.
Canada	Smelter	Sudbury operations, Sudbury, Ontario	Glencore Canada Corp.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Canada	Refinery	Ottawa, Ontario	Royal Canadian Mint
Canada	Refinery and smelter	Trail smelter, Trail, British Columbia	Teck Resources Ltd.
Canada	Refinery and smelter	Copper Cliff complex, Sudbury, Ontario	Vale Canada Ltd.
Chile	Refinery	Mejillones, Antofagasta	Planta Recuperadora de Metales SpA (LS-Nikko Copper Inc., 66%, and Corporación Nacional del Cobre de Chile, 34%)
China	Refinery	Huadian, Jilin	China Gold Group Jiapigou Mining Co., Ltd.
China	Refinery	Lingbao, Henan	China National Gold Corp.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
China	Refinery	Huangshi, Huabei	Daye Nonferrous Metals Co., Ltd
China	Refinery	Chengdu, Sichuan	Great Wall Precious Metals Co. Ltd. of CBPM
China	Refinery	Hetai, Gaoyao, Guangdong	Guangdong Jinding Gold Ltd.
China	Refinery	Jiyuan, Henan	Henan Yuguang Gold & Lead Co. Ltd.
China	Refinery	Sanmenxia, Henan	Henan Zhongyuan Gold Smelter Co., Ltd (China Gold Group Corp.)
China	Refinery	Fanling, New Territories, Hong Kong	Heraeus Ltd. Hong Kong

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
China	Refinery	Huadian, Jilin	Huadian Gold Co. Ltd.
China	Refinery	Huaihua, Hunan	Hunan Chenzhou Mining Industry Co Ltd
China	Refinery	Hohhot, Inner Mongolia	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.
China	Refinery	Guixi, Jiangxi	Jiangxi Copper Co., Ltd.
China	Refinery	Luoyang, Henan	Lingbao Gold Co., Ltd.
China	Refinery	Lingbao, Henan	Lingbao Jinyuan Mining Co., Ltd. Tonghui Refinery Branch

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
China	Refinery	Luoyang, Henan	Luoyang Zijin Yinhui Gold Refinery Co., Ltd.
China	Refinery	Kwai Chung, Hong Kong	Metalor Technologies (Hong Kong) Ltd.
China	Refinery	Suzhou, Jiangsu	Metalor Technologies (Suzhou) Co Ltd
China	Refinery	Penglai, Shandong	Penglai Penggang Gold Industry Co., Ltd.
China	Refinery	Xi'an, Shaanxi	Shaanxi Gold Group Xi'an Qinyin Co., Ltd.
China	Refinery	Laizhou, Shandong	Shandong Gold Smelting Co. Ltd. (under Shandong Mining Co. Ltd.)

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
China	Refinery	Yantai, Shandong	Shandong Humon Smelting Co. Ltd.
China	Refinery	Zhaoyuan, Shandong	Shandong Zhaojin Gold & Silver Refinery Co. Ltd. (under Shandong ZhaJin Group Co. Ltd.)
China	Refinery	Shanghai	Shanghai Tiancheng Gold Co., Ltd.
China	Refinery	Shanghai	Shanghai Xinye Copper Industry Co., Ltd.
China	Refinery	Shenzhen, Guangdong	Shenzhen Cuilu Gold Refining Co. Ltd. (a subsidiary Shenzhen Cuilu Gold Industry Co. Ltd.)
China	Refinery	Shenzhen, Guangdong	Shenzhen Zhonghenglong Industrial Co. Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
China	Refinery	Chengdu, Sichuan	Sichuan Tianze Precious Metals Co., Ltd.
China	Refinery	Suzhou, Jiangsu	Soochow Gold Group Co., Ltd.
China	Refinery	Tongling, Anhui	Tongling Nonferrous Metals Group Co., Ltd.
China	Refinery	Urumqi, Xinjiang	Urumqi Tianshan Star Precious Metal Smelting Co., Ltd.
China	Refinery	Jiuquan ,Gansu	Ximai Gold Co., Ltd.
China	Refinery	Shifo, Yanggu, Shandong	Yanggu Xiangguang Copper Co., Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
China	Refinery	Zhaoyuan, Shandong	Yantai Guodasafina High-Tech Environmental Refinery Co., Ltd.
China	Refinery	Yantai, Shandong	Yantai Penghui Copper Industry Co. Ltd.
China	Refinery	Qujing, Yunnan	Yunnan Chihong Zinc and Germanium Co. Ltd.
China	Refinery	Kunming, Yunnan	Yunnan Copper Industry Co., Ltd.
China	Refinery	Qujing, Yunnan	Yunnan Gold Mining Group Co., Ltd.
China	Refinery	Fuye, Zhejiang	Zhejiang Fuye Group Co., Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
China	Refinery	Zhuzhou, Hunan	Zhuzhou Smelting Group Co. Ltd.
China	Refinery	Shanghang, Fujian	Zijin Mining Group Gold Smelting Co., Ltd.
Czech Republic	Refinery	Chvaletice	Galmet Trade, spol. s r.o.
Czech Republic	Refinery	Příbram, Central Bohemian	Kovohutě Příbram nástupnická, a. s.
Czech Republic	Refinery	Vestec, Harare	SAFINA A.S.
Estonia	Refinery	Harju Maakond	Toma Group

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Finland	Refinery	Pori, Satakunta	Boliden Harjavalta (Boliden Group)
France	Refinery	Paris, Ile-de-France	SAAMP Groupe SAS
Germany	Refinery	Pforzheim, Baden-Württemberg	Allgemeine Gold-und Silberscheideanstalt A.G.
Germany	Refinery	Hamburg	Aurubis AG
Germany	Refinery	Pforzheim, Baden-Württemberg	C. Hafner GmbH + Co. KG
Germany	Refinery	Pforzheim, Baden-Württemberg	DODUCO GmbH

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Germany	Refinery	Pforzheim, Baden-Württemberg	Heimerle + Meule GmbH
Germany	Refinery	Hanau, Hesse	Heraeus Deutschland GmbH & Co. KG
Germany	Refinery	Halsbrücke, Saxony	SAXONIA Edelmetalle GmbH
Germany	Refinery	Pforzheim, Baden-Württemberg	WIELAND Edelmetalle GmbH (SAXONIA Edelmetalle GmbH)
Greece	Refinery	Athens	Nikias Gold SA
India	Refinery	Rudrapur, Uttarakhand	Augmont Enterprises Pvt. Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
India	Refinery	Bangalore, Karnataka	Bangalore Refinery Pvt. Ltd.
India	Refinery	Ernakulam District, Kerala	CGR Metalloys Private Ltd.
India	Refinery	Ravipuram, Cochin	Chemmanur Gold Refinery (P) Ltd.
India	Refinery	Udham Singh Nagar, Uttkhand	Diamond Forever International
India	Refinery	Ahmedabad, Gujarat	Edelweiss Metals Ltd. (Edelweiss Financial Services Inc.)
India	Refinery	Ahmedabad, Gujarat	Gujarat Gold Centre (GGC) Pvt Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
India	Refinery	Janpath, New Delhi	Indian Government Mint (unit of Security of Printing and Mining Corporation India Ltd.)
India	Refinery	Mumbai, Maharashtra	Indian Government Mint (unit of Security of Printing and Mining Corporation India Ltd.)
India	Refinery	Telangana, Hyderabad	Indian Government Mint (unit of Security of Printing and Mining Corporation India Ltd.)
India	Refinery	Mumbai, Maharashtra	Infinium Precious Resources Private Ltd.
India	Refinery	Chandi Chowk, New Delhi	JALAN & Company
India	Refinery	Haridwar, Uttarakhand	Kundan Care Products Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
India	Refinery	Rudrapur, Uttarakhand	M.D. Overseas Ltd.
India	Refinery	Mewat District, Haryana	MMTC-PAMP India PVT Ltd. (joint venture MMTC Ltd. and PAMP SA Switzerland)
India	Refinery	Mumbai, Maharashtra	Narrondass Manordass Precious Metals Refinery
India	Refinery	Mumbai, Maharashtra	National India Bullion Refinery
India	Refinery	Mumbai, Maharashtra	National Refinery Pvt Ltd.
India	Refinery	Rudrapur, Uttarakhand	OMGL Refinery LLP

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
India	Refinery	Solan, Himachal Pradesh	Orelia Refiners Pvt. Ltd.
India	Refinery	Rudrapur, Uttarakhand	Paraj Exim
India	Refinery	Mumbai, Maharashtra	Parekh Platinum Ltd.
India	Refinery	Rudrapur, Uttarakhand	Rajesh Exports Ltd.
India	Refinery	Mumbai, Maharashtra	Royal Gold Refinery Pvt. Ltd.
India	Refinery	Parwanoo, Himachal Pradesh	Sai Refinery

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
India	Refinery	Dhule, Maharashtra	Shirpur Gold Refinery Ltd. (owned by Zee Gold DMCC of Dubai)
India	Refinery	Krishnagiri, Tamil Naidu	Titan Co. Ltd.
India	Refinery	Ahmedabad, Gujarat	Zaveri & Co. Pvt. Ltd.
India	Refinery	Rudrapur, Uttarakhand	Zaveri & Co. Pvt. Ltd.
Indonesia	Refinery	Jakarta	PT Aneka Tambang (Persero) Tbk
Iran	Refinery	15 kilometers from Takht-e Soleyman, Takeb Region	Iranian Mines and Mining Industries Development and Renovation Organization (IMIDRO)

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Italy	Refinery	Pero, Lombardia	8853 S.p.A.
Italy	Refinery	Arezzo, Tuscany	Chimet S.p.A.
Italy	Refinery	Sesto Fiorentino, Florence	Faggi Enrico S.p.A.
Italy	Refinery	Arezzo, Tuscany	Italpreziosi S.p.A.
Italy	Refinery	Pellizzari, Italy	KMR Group
Italy	Refinery	Arezzo, Tuscany	Samfimet S.p.A.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Italy	Refinery	Capolona, Tuscany	T.C.A S.p.A
Japan	Refinery	Fuchu, Tokyo	Aida Chemical Industries Co., Ltd.
Japan	Refinery	Kobe, Hyogo	Asahi Pretec Corp.
Japan	Refinery	Koriyama, Fukushima	Asaka Riken Co., Ltd.
Japan	Refinery	Ota, Tokyo	Chugai Mining Co. Ltd.
Japan	Refinery	Soka, Saitama	Ishifuku Metal Industry Co., Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Japan	Refinery	Osaka City	Japan Mint
Japan	Refinery	Oita City	JX Nippon Mining & Metals Co., Ltd.
Japan	Refinery	Sayama, Saitama	Kojima Chemicals Co., Ltd.
Japan	Refinery	Honjo, Saitama	Eco-System Recycling Co., Ltd
Japan	Refinery	Kosaka, Akita	Kosaka Smelting and Refining Co. Ltd. (a subsidiary of Dowa Eco-System Co. Ltd., a part of the Dowa Holding Co. Ltd.)
Japan	Refinery	Iruma, Saitama	Matsuda Sangyo Co., Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Japan	Refinery	Naoshima, Kagawa	Mitsubishi Materials Corp.
Japan	Refinery	Takehara, Hiroshima	Mitsui Mining and Smelting Co., Ltd.
Japan	Refinery	Noda, Chiba	Nihon Material Co., Ltd.
Japan	Refinery	Nara city, Nara	Ohura Precious Metal Industry Co., Ltd.
Japan	Refinery	Hitachi, Ibaraki	Pan Pacific Copper Co. Ltd.
Japan	Refinery	Saganoseki, Oita	Pan Pacific Copper Co. Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Japan	Refinery	Saijo, Ehime	Sumitomo Metal Mining Co., Ltd.
Japan	Refinery	Hiratsuka City, Kanagawa	Tanaka Kikinzoku Kogyo K.K.
Japan	Refinery	Kuki, Saitama	Tokuriki Honten Co., Ltd.
Japan	Refinery	Kona, Kochi	Yamakin Co., Ltd.
Japan	Refinery	Kona, Kochi	Yamamoto Precious Metal Co., Ltd.
Japan	Refinery	Sagamihara, Kanagawa	Yokohama Metal Co., Ltd.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Kazakhstan	Refinery	Ust-Kamenogorsk, East Kazakhstan Province	Kazzinc Ltd. (Glencore Ltd.)
Kazakhstan	Refinery	Astana, Akmola Province	Tau-Ken Altyn Ltd.
Kazakhstan	Refinery	Balkhash, Karaganda Province	TOO Kazakhmys
Korea, North	Refinery	Hungnam city, Hamgyeongnam	July 27th Refinery (Hungnam 2nd refinery)
Korea, North	Refinery	Chongju city, Pyonganbuk	Pyongbuk Refinery
Korea, North	Refinery	Muncheon city, Kangwon	September 21st Refinery (Muncheon refinery)

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Korea, Republic of	Refinery	Namdong, Incheon	Daejin Indus Co., Ltd.
Korea, Republic of	Refinery	Gimpo, Gyeonggi	DSC (Do Sung Corp.)
Korea, Republic of	Refinery	Incheon, Seoul	HeeSung Metal Ltd.
Korea, Republic of	Refinery	Onsan, Ulsan	Korea Zinc Co., Ltd.
Korea, Republic of	Refinery	Onsan, Ulsan	LS Nikko Copper Inc.
Korea, Republic of	Refinery	Namdong, Incheon	Samduck Precious Metals

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Korea, Republic of	Refinery	Incheon, Gyeongsangnam	SAMWON Metals Corp.
Korea, Republic of	Refinery	Gunsan, Jeollabuk	SungEel HiMetal Co. Ltd.
Korea, Republic of	Smelter	Asan, Chungcheong	Torecom Corp.
Kyrgyzstan	Refinery	Karabalta, Karabalta	Kygyzaltyn JSC
Lebanon	Refinery	Bourj Hammud, Bierute	Lebanor s.a.l.
Malaysia	Refinery	Kawasan Perindustrian Bukit Rambai, Melaka	Modeltech Sdn Bhd

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Mali	Refinery	Bamako	KMR Group
Mexico	Refinery	Torreon, Coahuila	Metalúrgica Met-Mex Peñoles S.A. De C.V.
Mexico	Refinery	La Caridad complex, Nacozari, Sonora	Southern Copper Corp. (Grupo México S.A.B. de C.V.)
Namibia	Refinery	Karibib, Erongo Region	QKR Namibia
Netherlands	Refinery	Moerdijk, North Brabant	Remondis Argentia B.V.
Netherlands	Refinery	Amsterdam, North Holland	Schone Edelmetaal B.V.

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New Zealand	Refinery	Penrose, Auckland	Morris and Watson Ltd.
Philippines	Refinery	Quezon City, Manila	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)
Russia	Refinery	Verkhnyaya Pyshma, Sverdlovskaya Oblast'	AO Ekaterinburg Non-Ferrous Metal Processing Plant
Russia	Refinery	Novosibirsk, Novosibirsk Province	AO Novosibirsk Refinery
Russia	Refinery	Kasimov, Ryazanskaya Oblast'	AO Prioksky Plant of Non-Ferrous Metals
Russia	Refinery	Verkhnyaya Pyshma, Sverdlovsk Oblast'	AO Uralelectromed

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Russia	Refinery	Moscow	Moscow Special Alloys Processing Plant
Russia	Refinery	Krasnoyarsk, Krasnoyarskiy Kray	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)
Russia	Refinery	Shyolkovo, Moscow Region	SOE Shyolkovsky Factory of Secondary Precious Metals
Russia	Refinery	Chelyabinsk, Chelyabinskaya Oblast'	ZAO Kyshtym Copper-Electrolytic Plant (subsidiary of Russian Copper Co.)
Saudi Arabia	Refinery	Riyadh, Riyadh Province	L'azurde Company For Jewelry
Serbia	Refinery	Majdanpek	Majdanpek LLC

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Singapore	Refinery	Tuas, West Region, Singapore	Metalor Technologies (Singapore) Pte., Ltd.
Solomon Islands	Refinery	Honiara	Universal Resources (Meekom Gold Exchange and Refinery Corp. Ltd.)
South Africa	Refinery	Johannesburg, Gauteng	AU Traders and Refiners
South Africa	Refinery	Germiston, Gauteng	Rand Refinery (Pty) Ltd.
Spain	Refinery	Madrid, Madrid	SEMPA Joyería Platería S.A.
Suriname	Refinery	Wit' Santi, Para , Wit' Santi, Para	Kaloti Suriname Mint House [Partnership between Kaloti Precious Metals Group (Dubai, United Arab Emirates), The Government of Suriname and local gold traders]

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Sweden	Refinery	Skelleftehamn, Ronnskar, Västerbotten	Boliden AB (Boliden Group)
Switzerland	Refinery	Mendrisio, Ticino	Argor-Heraeus S.A. (Heraeus Holding GmbH, 100%)
Switzerland	Refinery	Biel-Bienne, Bern	Cendres + Métaux S.A.
Switzerland	Refinery	Marin, Neuchâtel	Metalor Technologies International S.A. (Tanaka Kikinzoku Kogyo K.K., 100%)
Switzerland	Refinery	Castel San Pietro, Ticino	Produits Artistiques Métaux Précieux S.A. (PAMP) (MKS S.A., 100%)
Switzerland	Refinery	La Chaux-de-Fonds, Neuchâtel	PX Précinox S.A.

4—Identified global producers of gold bullion

Explanation: This list contains refiners of gold bullion (most are accredited to sell bullion on one or more market exchange). Feed material is indeterminate and may be from mines, intermediate refineries, scrap, or other gold-bearing materials. Data records are sorted by country and then alphabetically by owner.

COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Switzerland	Refinery	Balerna, Ticino	Valcambi S.A. (Global Gold Refineries AG)
Taiwan	Refinery	Dayuan, Taoyuan	Singway Technology Co., Ltd.
Taiwan	Refinery	Tainan City	Solar Applied Materials Technology Corp.
Thailand	Refinery	Dokmai Subdistrict, Pravet District, Bangkok Province	Umicore Precious Metals (Thailand) Inc.
Turkey	Refinery	Corum	Ahlatci Metal Rafineri A.S. (Ahlatci Holding)
Turkey	Refinery	Bahcelievler, Istanbul	Atasay Kuyumculuk Sanayi Ve Ticaret A.S. (Atasay Group)

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Turkey	Refinery	Kuyumcukent, Istanbul	Istanbul Gold Refinery
Turkey	Refinery	Bahçelievler, Istanbul	Nadir Metal Rafineri San. Ve Tic. A.Ş.
Turkey	Refinery	Esenyurt, Istanbul	Onsa Rafineri A.S. (Onsa Mücevherat İmalatı ve Dış Ticaret A.Ş.)
Uganda	Refinery	Entebbe, Wakiso	Africa Gold Refinery
United Arab Emirates	Refinery	Al Quoz, Dubai	Al Etihad Gold LLC
United Arab Emirates	Refinery	Sharjah, Sharjah	Dijillah Gold Refinery FZC

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
United Arab Emirates	Refinery	Jumeriah Lake Towers, Dubai, Dubai	Emirates Gold DMCC
United Arab Emirates	Refinery	Fujairah Free Zone 2, Fujairah	Fujairah Gold FZC (Vendanta Ltd., 100%)
United Arab Emirates	Refinery	Dubai, Dubai	Gulf Gold Refinery Services (TLI Global FZE 100%)
United Arab Emirates	Refinery	Sharjah, Sharjah	Kaloti Precious Metals
United States	Refinery	Fairless Hills, Pennsylvania	Abington Reldan Metals, LLC
United States	Refinery	Warwick, Rhode Island	Advanced Chemical Co.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
United States	Refinery	Salt Lake City, Utah	Asahi Refining USA Inc.
United States	Refinery	Milwaukee, Wisconsin	AURA-II
United States	Refinery	Jackson, Ohio	Elemetal Refining, LLC
United States	Refinery	Cranston, Rhode Island	Gannon & Scott, Inc.
United States	Refinery	Phoenix, Arizona	Gannon & Scott, Inc.
United States	Refinery	Warwick, Rhode Island	Geib Refining Corp.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
United States	Refinery	Attleboro, Massachusetts	Gline & Rhodes, Inc.
United States	Refinery	Newark, New Jersey	Heraeus Inc.
United States	Refinery	Magna, Utah	Kennecott Utah Copper LLC
United States	Refinery	Buffalo, New York	Materion
United States	Refinery	Shrewsbury, New Jersey	Metallix, Inc.
United States	Refinery	North Attleboro, Massachusetts	Metalor USA Refining Corp.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
United States	Refinery	Warwick, Rhode Island	Pease & Curren Inc.
United States	Refinery	East Providence, Rhode Island	QML, Inc.
United States	Refinery	Miami, Florida	Republic Metals Corp.
United States	Refinery	Williston, North Dakota	Sabin Metal Corp.
United States	Refinery	Scottsville, New York	Sabin Metal Corp.
United States	Refinery	Mt. Vernon, New York	Sigmund Cohn Corp.

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COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
United States	Refinery	Long Island City, New York	So Accurate Group, Inc.
United States	Refinery	Alden, New York	United Precious Metal Refining, Inc.
Uzbekistan	Refinery	Almalyk, Tashkent Province	Almalyk Mining and Metallurgical Complex (AMMC)
Uzbekistan	Refinery	Navoi, Navoiy Province	Navoi Mining and Metallurgical Combinat (NMMC)
Zambia	Refinery	Lusaka, Lusaka Province	Universal Precious Metals Refining Zambia
Zambia	Refinery	Lusaka, Lusaka Province	Zambian Gold Refiners Ltd.

4—Identified global producers of gold bullion

Explanation: This list contains refiners of gold bullion (most are accredited to sell bullion on one or more market exchange). Feed material is indeterminate and may be from mines, intermediate refineries, scrap, or other gold-bearing materials. Data records are sorted by country and then alphabetically by owner.

COUNTRY	FACILITY TYPE	LOCATION	OPERATOR / OWNERSHIP
Zimbabwe	Refinery	Msasa, Harare	Fidelity Printers and Refiners Ltd.